



Improving GNSS Services

LT Hermie Mendoza

ABSTRACT

The Navigation Center (NAVCEN) serves as the primary U.S. government interface with civil GPS users. This initiative researches organizational and unit growth opportunities in Global Navigation Satellite System (GNSS) to best deliver mission planning tools for civil GNSS users, addresses training shortfalls within the U.S. Coast Guard, and strives to expand cooperation agreements among the world's GNSS service providers .



MOTIVATION

The global economy critically depends on GPS. Economic and mission impacts of GPS service degradations are not always understood by users. This lack of understanding may manifest in increased risks if GPS interference occurs. Thus, a need exists to better educate users in how/who to report GPS service degradations. Moreover, NAVCEN serves as a successful model of civil interface. The unit fosters cooperation among GNSS service providers by helping to develop information sharing requirements in coordination with the Department of State (DOS).



CURRENT EFFORTS

- Executing U.S. Coast Guard GPS training workshop for operational workforce.
- Working with the European GNSS service center to develop proposal for service cooperation at the International Committee for GNSS.
- Initiated grassroots GPS awareness campaign within the U.S. Coast Guard and maritime industry.
- Formed partnerships with U.S. Coast Guard training managers to improve GPS course content.
- Continued developing information sharing partnerships and cooperation with GNSS service providers in concert with the DOS.

FUTURE ENDEAVORS

- Continue GPS awareness campaign.
- Sponsor executive GPS workshop for U.S. Coast Guard decision-makers.
- Obtain better mission planning and GNSS products for NAVCEN website.
- U.S. Coast Guard to co-chair working groups focused on Civil Service Provisions of various DOS-led bilateral talks on GNSS.
- Evaluate Coast Guard Academy engineering efforts for NAVCEN-sponsored project.

